Project Title	Funding	Strategic Plan Objective	Institution
3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	$3,250	Q2.Other	Massachusetts General Hospital
ACE Center: Administration and data management	$302,671	Q7.Other	Boston University
ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	$288,440	Q2.L.B	Boston University
ACE Center: Clinical Core	$575,083	Q7.Other	Boston University
ACE Center: Inter-regional connectivity in the speech network of minimally verbal children	$365,407	Q4.S.G	Boston University
ACE Center: Research, training and education	$91,207	Q7.K	Boston University
ACE Center: Testing the efficacy of a novel intervention for minimally verbal children with ASD	$377,590	Q4.S.G	Boston University
ACE Network: Early biomarkers of autism spectrum disorders in infants with tuberous sclerosis	$2,649,781	Q1.L.A	Boston Children's Hospital
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$149,958	Q2.S.D	Boston Children's Hospital
Activity-dependent phosphorylation of MeCP2	$177,055	Q2.S.D	Harvard Medical School
A genome-wide search for autism genes in the SSC CHB	$50,000	Q3.L.B	Boston Children's Hospital
Analysis of the small intestinal microbiome of children with autism	$0	Q3.S.I	Massachusetts General Hospital
A non-interactive method for teaching noun and verb meanings to young children with ASD	$59,986	Q4.Other	Boston University
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A randomized, controlled trial of intranasal oxytocin as an adjunct to behavioral therapy for autism spectrum disorder	$0	Q4.S.C	Massachusetts General Hospital
Autism Consortium	$750,346	Q7.N	Autism Consortium
Autism genetics: Homozygosity mapping and functional validation	$850,815	Q3.S.A	Boston Children's Hospital
Autism Intervention Research Network on Physical Health (AIR-P network)	$2,079,996	Q4.S.A	Massachusetts General Hospital
Autism Treatment Network (ATN) 2011-MGH/LADDERS	$0	Q7.N	Massachusetts General Hospital
Autism Treatment Network (ATN) 2011 - MGH Clinical Coordinating Center	$0	Q7.N	Massachusetts General Hospital
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	$47,114	Q2.Other	Massachusetts Institute of Technology
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Q2.Other	Harvard University
Brain bases of language deficits in SLI and ASD	$614,180	Q2.Other	Massachusetts Institute of Technology

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CAREER: Typical and atypical development of brain regions for theory of mind	$86,848	Q2.Other	Massachusetts Institute of Technology
Cell specifIc genomic imprinfing during cortical development and in mouse models	$328,975	Q3.S.J	Harvard University
Characterization of infants and toddlers with the 16p copy-number variation	$190,766	Q2.S.G	Boston Children's Hospital
Characterizing the genetic systems of autism through multi-disease analysis	$524,280	Q2.S.G	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis (supplement)	$120,328	Q2.S.G	Harvard Medical School
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$313,753	Q1.L.B	Trustees of Boston University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$600,000	Q1.L.B	Massachusetts Institute of Technology
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	Q2.Other	College of the Holy Cross
Comparing AMMT vs. Control Therapy in facilitating speech output in nonverbal children with autism	$0	Q4.S.G	Beth Israel Deaconess Medical Center
Complex genetic architecture of chromosomal aberrations in autism	$92,917	Q3.L.B	Massachusetts General Hospital
Contingency analyses of observing and attending in intellectual disabilities	$276,181	Q4.S.G	University of Massachusetts Medical School
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$84,775	Q2.Other	Massachusetts Institute of Technology
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$294,937	Q4.S.B	Massachusetts General Hospital
Corticothalamic circuit interactions in autism	$250,000	Q2.Other	Boston Children's Hospital
Cryptic chromosomal aberrations contributing to autism	$70,524	Q3.L.B	Massachusetts General Hospital
Deficits in tonic inhibition and the pathology of autism spectrum disorders	$156,250	Q4.S.B	Tufts University
Delayed motor learning in autism	$356,598	Q4.Other	Brandeis University
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Q4.S.B	Massachusetts Institute of Technology
Dimensions of mind perception	$0	Q2.Other	Harvard University
Dissecting the circuitry basis of autistic-like behaviors in mice	$350,000	Q4.S.B	Massachusetts Institute of Technology
Dissemination of multi-stage screening to underserved culturally-diverse families	$0	Q1.S.C	University of Massachusetts, Boston

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Do animations facilitate symbol understanding in children with autism?	$197,259	Q4.S.G	Northeastern University
EEG complexity trajectory as an early biomarker for autism	$261,000	Q1.L.A	Boston Children's Hospital
Electrophysiological, metabolic and behavioral markers of infants at risk	$273,152	Q1.L.A	Boston Children's Hospital
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$336,922	Q2.Other	Brandeis University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	$23,015	Q2.Other	Brandeis University
Establishing next-generation tools for quantitative behavioral phenotyping	$60,000	Q4.S.B	Harvard Medical School
Exploration of resting-state network dynamics in autism spectrum disorders	$0	Q4.Other	Harvard University
Finding recessive genes for autism spectrum disorders	$349,999	Q3.L.B	Boston Children's Hospital
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Core	$62,475	Q2.Other	McLean Hospital
Genetically defined stem cell models of Rett and fragile X syndrome	$350,000	Q2.S.D	Whitehead Institute for Biomedical Research
Genome-wide analyses of DNA methylation in autism	$60,000	Q3.S.J	Massachusetts General Hospital
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
Identification of targets for the neuronal E3 ubiquitin ligase PAM	$0	Q2.S.D	Massachusetts General Hospital
Identifying early biomarkers for autism using EEG connectivity	$40,000	Q1.L.A	Boston Children's Hospital
Impairments of theory of mind disrupt patterns of brain activity	$321,000	Q2.Other	Massachusetts Institute of Technology
Infrastructure support for autism research at MIT	$0	Q7.K	Massachusetts Institute of Technology
Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds	$249,063	Q4.S.B	University of Massachusetts Medical School
Local functional connectivity in ASD	$50,811	Q2.L.B	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Mobilized technology for rapid screening and clinical prioritization of ASD	$73,456	Q1.S.B	Harvard Medical School

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Molecular controls over callosal projection neuron subtype specification and diversity	$42,232	Q2.Other	Harvard University
Molecular signatures of autism genes and the 16p11.2 deletion	$62,500	Q2.Other	Massachusetts General Hospital
Multimodal studies of executive function deficits in autism spectrum disorders	$54,570	Q2.Other	Massachusetts General Hospital
Neonatal biomarkers in extremely preterm babies predict childhood brain disorders	$3,478,718	Q3.S.H	Boston Medical Center
Neural and cognitive mechanisms of autism	$0	Q4.S.B	Massachusetts Institute of Technology
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neurobehavioral research on infants at risk for SLI and autism	$944,962	Q1.L.A	Boston University
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
Neuropeptide regulation of juvenile social behaviors	$29,550	Q2.Other	Boston College
Neurophysiological investigation of language acquisition in infants at risk for ASD	$0	Q1.L.A	Boston University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$419,095	Q2.S.D	Dana-Farber Cancer Institute
Optimizing initial communication for children with autism	$348,461	Q4.S.G	University of Massachusetts Medical School
Perinatal choline supplementation as a treatment for autism	$62,500	Q4.S.B	Boston University
Population genetics to improve homozygosity mapping and mapping in admixed groups	$52,190	Q3.L.B	Harvard Medical School
Probing synaptic receptor composition in mouse models of autism	$124,998	Q2.S.D	Boston Children's Hospital
Probing the neural basis of social behavior in mice	$62,500	Q2.S.D	Massachusetts Institute of Technology
Prosodic and pragmatic processes in highly verbal children with autism	$0	Q1.L.C	President & Fellows of Harvard College
Prosodic and pragmatic training in highly verbal children with autism	$100,000	Q4.Other	Harvard University
Proteome and interaction networks in autism	$156,250	Q2.Other	Harvard Medical School
Randomized phase 2 trial of RAD001 (an MTOR inhibitor) in patients with tuberous sclerosis complex	$65,000	Q4.L.A	Boston Children's Hospital
Rapid characterization of balanced genomic rearrangements contributing to autism	$53,942	Q3.L.B	Massachusetts General Hospital
Regulation of synaptogenesis by cyclin-dependent kinase 5	$0	Q2.Other	Massachusetts Institute of Technology

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Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Q2.Other	Massachusetts General Hospital
RNA expression patterns in autism	$710,306	Q3.L.B	Boston Children's Hospital
RNA expression studies in autism spectrum disorders	$500,000	Q1.L.A	Boston Children's Hospital
Role of astrocytic glutamate transporter GLT1 in fragile X	$40,000	Q4.S.B	Tufts University
Role of microglia and complement at developing synapses in ASD	$60,001	Q2.S.A	Boston Children's Hospital
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	$27,814	Q2.Other	Brandeis University
Sequence-based discovery of genes with pleiotropic effects across diagnostic boundaries and throughout the lifespan	$0	Q3.L.B	Massachusetts General Hospital and Harvard University
Shank3 in synaptic function and autism	$401,250	Q2.Other	Massachusetts Institute of Technology
Simons Simplex Collection Site	$51,656	Q3.L.B	Boston Children's Hospital
Simons Simplex Collection support grant	$30,000	Q3.L.B	Boston Children's Hospital
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$0	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$137,106	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Site	$768,296	Q2.S.G	Boston Children's Hospital
Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	$0	Q2.S.D	Whitehead Institute for Biomedical Research
Studying the impact of service-learning on career development, self-determination, and social skill building for youth with autism spectrum disorders	$300,000	Q6.S.A	University of Massachusetts, Boston
Synaptic pathophysiology of 16p11.2 model mice	$125,000	Q4.S.B	Massachusetts Institute of Technology
The Brain Genomics Superstruct Project	$150,000	Q2.L.B	Harvard University
The effects of autism on the sign language development of deaf children	$59,419	Q2.Other	Boston University
The effects of autism on the sign language development of deaf children (supplement)	$1,188	Q2.Other	Boston University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$90,480	Q2.S.E	Beth Israel Deaconess Medical Center
The microRNA pathway in translational regulation of neuronal development	$352,647	Q2.S.D	University of Massachusetts Medical School
The role of UBE3A in autism	$312,501	Q2.S.D	Harvard Medical School
The Simons Center for Social Brain at MIT	$6,000,000	Q7.K	Massachusetts Institute of Technology

Project Title	Funding	Strategic Plan Objective	Institution
Training school speech-language pathologists to assess and manage communication skills in children with autism	$197,633	Q5.Other	University of Massachusetts Amherst
Training Speech-Language Pathologists in the Public Schools to deliver Reliable Evidence-based Models of Technology Effectively	$248,184	Q5.Other	University of Massachusetts Amherst
Transition to adult services for youth with autism spectrum disorder	$283,935	Q6.L.A	Massachusetts General Hospital
Treatment of children with ASD and epileptiform EEG with divalproex sodium	$68,088	Q4.S.A	Boston Children's Hospital
Underlying mechanisms in a cerebellum-dependent model of autism	$60,000	Q2.S.D	Harvard Medical School
Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	$46,000	Q2.L.A	Boston Children's Hospital
Use of a family navigator in families with children newly diagnosed with autism spectrum disorder	$298,186	Q5.S.A	Boston University School of Medicine
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$10,000	Q1.L.B	New England Center for Children
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	$15,000	Q1.L.A	Harvard University
Using zebrafish and chemical screening to define function of autism genes	$0	Q4.S.B	Whitehead Institute for Biomedical Research